

Notice of Allowability

Application No.

10/073,193

Applicant(s)

NICOLLE ET AL.

Examiner

Aaron C. Perez-Daple

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 2/14/05.
2. ☒ The allowed claim(s) is/are 1, 5-11, 13-16 now renumbered as 1-12.
3. ☒ The drawings filed on 13 February 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott Watkins on 6/10/05.

2. Claims 1, 5-11, and 13-16, as amended below, are allowed.
3. Please amend the application as follows:

In the Claims:

Claim 1 (currently amended): A programming station for generating an automation application program, ~~said automation application~~ to be executed in automation equipment and ~~comprising an automation application program~~ written in at least one graphic automation language, said programming station comprising:

an internal memory for storing a plurality of grammar files written in text format and compliant with eXtensible Markup Language (XML) syntax,

each said grammar file comprising a description grammar describing a syntax of a respective graphic automation language,

said internal memory for storing a plurality of application description files, each said application description files being expressed in an XML language and describing part of said automation application program, and

said programming station is for using at least one of said grammar files to generate at least one of said application description files describing part of said automation application program,

wherein said automation application program is generated by said programming station using at least one of the application description files, and

wherein said application description files comprise an automation application program description file, an application input-output description file and an application data description file.

In claim 7, line 2, delete "claim 2" and insert --claim 1--.

In claim 8, line 2, delete "claim 2" and insert --claim 1--.

Claim 11 (currently amended): An automation equipment for executing an automation program, comprising memory means for storing a plurality of automation eXtensible Markup Language (XML) ~~XML~~-application description files expressed in XML language, each said XML application description file describing at least part of an automation program ~~and~~ written in at least one graphic automation language compliant with the XML language, the automation equipment also comprising translating means for converting each XML application description file into a binary language that can be executed by the automation equipment; and

a plurality of grammar files written in text format and compliant with XML syntax, each said grammar file comprising a description grammar describing a syntax of a respective graphic automation language, and at least one of the said grammar files is for generating at least one of said application description files;

wherein said application description files comprise an automation program description file describing said automation application program, an application input-output description file for describing inputs-outputs managed by said automation application program, and an application data description file for describing data used by said automation application program.

4. The following is an examiner's statement of reasons for allowance. The prior art of record does not teach or suggest a programming station for generating an automation application program comprising grammar files describing a syntax of a graphic automation language, wherein said grammar files are used to generate at least one of a plurality of application description files, said application description files comprising an automation application program description file, an application input-output description file and an application data description file. Therefore, the presently claimed invention teaches an improved system for generating an automation application program.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron C. Perez-Daple whose telephone number is (571) 272-3974. The examiner can normally be reached on 9am-5pm.

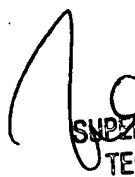
Art Unit: 2154

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

 6/10/05

Aaron Perez-Daple

 JOHN FOLLANSBEE
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